

**COMBATING TERRORISM TECHNOLOGY SUPPORT OFFICE
TECHNICAL SUPPORT WORKING GROUP (TSWG)**

**BROAD AGENCY ANNOUNCEMENT (BAA)
06-Q-5569**

Due Date for Receipt of White Papers:

No Later Than March 6, 2006

**CB – Chemical, Biological, Radiological, and Nuclear
Countermeasures**

ED – Explosives Detection

PS – Physical Security

**All submittals are due by 1600; 4:00 p.m.
Eastern Time Zone (ET) on the above date**

February 8, 2006

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1. INTRODUCTION.

This is a Combating Terrorism Technology Support Office (CTTSO) Technical Support Working Group (TSWG) Broad Agency Announcement (BAA) issued under the provisions of paragraph 6.102(d)(2) of the Federal Acquisition Regulation (FAR), to provide for the competitive selection of research proposals. Contracts based on responses to this BAA are considered to be the result of full and open competition and in full compliance with the provisions of Public Law (PL) 98-369, "The Competition in Contracting Act of 1984." Awards for submittals under this BAA are planned in Fiscal Year (FY) 2006. Funds may not be available for all requirements under this BAA. No contract awards will be made until appropriated funds are available from which payment for contract purposes can be made.

1.1. Approach.

A two-phased proposal selection process will be employed for this solicitation to minimize cost and effort of prospective offerors. Phase I will consist of the solicitation, receipt, and evaluation of a 12-page White Paper. For accepted submissions only, the submitter will be requested to provide the next phase submission. Phase II will consist of the solicitation, receipt, and evaluation of a Full Proposal (not to exceed 50 pages).

1.2. HBCU/MI and Small Business Set Aside.

The Government encourages nonprofit organizations, educational institutions, small businesses, small disadvantaged business (SDB) concerns, Historically Black Colleges and Universities (HBCU), Minority Institutions (MI), women-owned businesses, and Historically Underutilized Business (HUB) zone enterprises HBCU/MIs as well as large businesses and Government laboratories to submit research proposals for consideration and/or to join others in submitting proposals; however, no portion of the BAA will be set-aside for these special entities because of the impracticality of reserving discrete or severable areas of research and development in any specific requirement area. A goal of 2.5% of total dollars awarded under the listed mission areas will be considered for HBCU/MI and a goal of 2.5% of total dollars awarded under the listed mission areas will be considered for small businesses for a total goal of 5%. The final determination will be made based on the individual technical merits of the proposal and the budget constraints within the mission priorities. To ensure full consideration in these programs, registration in the BAA Information Delivery System (BIDS), described later in this document, must include the appropriate business type category as well as accurate and relevant information requested in the BIDS registration.

1.3. Limitation of Funds.

The Government intends to incrementally fund contracts awarded from this BAA as provided by FAR 52.232-22, "Limitation of Funds." Most proposals awarded are anticipated to be from 6 to 24 months in duration. To facilitate incremental funding, proposals shall include the cost and schedule by a task-phased structure with clear exit criteria, and shall be inclusive of all work to complete the effort including any options. It is anticipated that the entire effort be negotiated with the initial contract award.

1.4. Technical Evaluation Support.

It is the intent of this office to use contractor support personnel in the review, evaluation, and administration of all submittals for this BAA. All individuals in this category that will have access to any proprietary data shall certify that they will not disclose any information pertaining to this solicitation including any submittal, the identity of any submitters or any other information relative to this BAA. Submission of information in response to this BAA constitutes permission to disclose information to certified evaluators under these conditions.

1.5. BAA Package Download.

This BAA Package can be downloaded electronically in its entirety from www.bids.tswg.gov under Downloads BAAs. Registration is not required to download the BAA package; however, a BIDS registration is required to upload a response to the BAA.

1.6. BAA Contractual and Technical Questions.

All contractual and technical questions regarding this BAA must be directed to the Contracting Officer, 06-Q-5569@tswg.gov. Contractual questions and answers will be posted periodically under FAQ.

1.7. BIDS Help Requests and FAQs.

For help with BIDS, submit questions to the BIDS administrators at bidshelp@tswg.gov or by accessing the **HELP REQUEST** link located in the left-hand panel of the BIDS Homepage. Include a correct email address and a description of the request in the text block provided. Offerors are encouraged to periodically review the BAA Frequently Asked Questions (FAQs) located at www.bids.tswg.gov.

NOTE: Persons submitting proposals are advised that only the Contracting Officer may obligate the Government to any agreement involving expenditure of Government funds.

2. GENERAL INFORMATION.

This section includes information applicable to all contracts that may be awarded under this BAA.

2.1. Eligibility.

To be eligible for contract award, an offeror must meet certain minimum standards pertaining to financial solvency/resources, ability to comply with the performance schedule, prior record of performance, integrity, organization, experience, operational controls, technical skills, facilities, and equipment. See FAR 9.104. Additionally, all offerors **MUST** be registered in the Central Contractor Registration (CCR) database as indicated in DFARS 204.7300. The website address for CCR database is <http://www.ccr.gov>. Contractors must complete on line representation and certifications (ORCA) at www.bpn.gov/orca. This and other helpful links are also provided on the BIDS Homepage.

2.2. Procurement Integrity, Standards of Conduct, Ethical Considerations.

Certain post-employment restrictions on former federal officers and employees may exist, including special Government employees (Section 207 of Title 18, United States Code (USC)). If a prospective offeror believes that a conflict of interest does exist, the situation should be raised to the issuing office's contracts representative before time and effort is expended in preparing a proposal.

2.3. Definitions.

2.3.1. Small Business Concern.

A concern that is independently owned and operated; is not dominant in the field of operation in which it is bidding on Government contracts; and meets the size standards in FAR 19.102.

2.3.2. Small Disadvantaged Business Concern.

"Small disadvantaged business concern" as used in FAR Part 19 (except for FAR Sections 52.212-3(c)(4) and 52.219-1(b)(2) for general statistical purposes and 52.212-3(c)(9)(ii), 52.219-22(b)(2), and 52.219-23(a) for joint ventures under the price evaluation adjustment for small disadvantaged business (SDB) concerns, means an offeror that represents, as part of its offer, that it is a small business under the size standard applicable to the acquisition; and either:

(1) It has received certification as a small disadvantaged business concern consistent with 13 CFR part 124, subpart B; and

(i) No material change in disadvantaged ownership and control has occurred since its certification;

(ii) Where the concern is owned by one or more disadvantaged individuals, the net worth of each individual upon whom the certification is based does not exceed \$750,000 after taking into account the applicable exclusions set forth at 13 CFR 124.104(c)(2); and

(iii) It is identified, on the date of its representation, as a certified SDB concern in the database maintained by the Small Business Administration (SBA) (PRO-Net); or

(2) For a prime contractor, it has submitted a completed application to the SBA or a private certifier to be certified as a small disadvantaged business concern in accordance with 13 CFR part 124, subpart B, and a decision on that application is pending, and that no material change in disadvantaged ownership and control has occurred since it submitted its application. In this case, a contractor must receive certification as an SDB by the SBA prior to contract award.

2.3.3. North American Industry Classification System.

Establishments that specialize in performing Professional, Scientific and Technical Activities for others are coded 541710 under the North American Industry Classification System (NAICS). The small business size standard for Classification 541710 is 500 employees.

2.4. Restrictive Markings on Proposals.

All proposals should clearly indicate content disclosure limitations. Submittals may be marked as "Proprietary" or words to that effect; however, markings such as "Company Confidential" or other phrases that may be confused with national security classifications shall be avoided.

2.5. Submission Handling/Rights in Technical Data and Computer Software/Patent Rights.**2.5.1. Procurement Integrity.**

The Government intends to comply with FAR 3.104 in its treatment of information submitted in response to this BAA solicitation and marked with the individual or company's legend.

2.5.2. Rights in Technical Data and Computer Software.

Rights in technical data, computer software and software documentation provided in the proposal shall be treated in accordance with the DFARS 252.227-7016, *Rights in Bid and Proposal Information*. Rights in technical data, computer software and computer software documentation in the resultant contract shall be in accordance with DFARS 252.227-7013 (regarding technical data) and DFARS 252.227-7014 (regarding computer software and software documentation). Both clauses (DFARS 252.227-7013 and -7014) shall be included in any non-commercial contract exceeding the simplified acquisition threshold. Table 1 contains clauses to be included in the contract.

Table 1. Clauses to be included in the contract.	
DFARS	Title
252.227-7013	Rights in Technical Data – Non-commercial Items
252.227-7014	Rights in Non-commercial Computer Software and Non-commercial Computer Software Documentation
252.227-7017	Identification and Assertion of Use, Release, or Disclosure Restrictions
252.227-7019	Validation of Asserted Restrictions - Computer Software
252.227-7025	Limitations on the Use or Disclosure of Government Furnished Information Marked with Restrictive Legends
252.227-7027	Deferred Ordering of Technical Data or Computer Software
252.227-7028	Technical Data or Computer Software Previously Delivered to the Government;
252.227-7030	Technical Data - Withholding of Payment
252.227-7037	Validation of Restrictive Markings on Technical Data.

2.5.3. Submission Information and FOIA.

Records or data bearing a restrictive legend may be included in the proposal. The offeror is cautioned; however, that portions of the proposal may be subject to release under terms of the Freedom of Information Act (FOIA), 5 U.S.C. 552, as amended. In accordance with FOIA regulations, the offeror will be afforded the opportunity to comment on, or object to the release of proposal information.

2.6. Product and Deliverable Requirements.

The number, types, and preparation instructions for products and deliverables shall be specified in the contract. Minimum report requirements include **Monthly Status Reports** (MSRs) that document program and financial status, and a **Final Technical Report** that summarizes the project and associated tasks at the conclusion of each contract, even if the research is to be continued under a follow-on contract. All proposals shall include cost data for minimum report requirements and additional data deliverables. Additional reporting that is required in performance of the effort could include test plans, test and technical reports, technical data, specifications, requirements documents, computer programs or software, user manuals, drawings, or other data.

2.7. Subcontracting.

Pursuant to Section 8(d) of the Small Business Act (15 U.S.C. 637(d)), it is the policy of the Government to enable small business and small disadvantaged business concerns to be considered fairly as subcontractors to contractors performing work or rendering services as prime contractors or subcontractors under Government contracts, and to assure that prime contractors and subcontractors carry out this policy.

2.8. Animal or Human Testing Compliance.

The contractor is responsible for compliance with all laws and regulations governing the use of animals or human subjects in research projects. Any contract resulting from this BAA that may involve the testing of animals shall include the following language:

Any contractor performing research on warm blooded vertebrate animals shall comply with the Laboratory Animal Welfare Act of 1966, as amended, 7 U.S.C. §§ 2131 - 2156, and the regulations promulgated thereunder by the Secretary of Agriculture in 9 C.F.R. Parts 1 through 4, pertaining to the care, handling, and treatment of vertebrate animals held or used for research, teaching, or other activities supported by Federal contract awards. In addition, the contractor shall comply with the provisions of Department of Defense Directive 3216.1, as implemented by SECNAVINST 3900.38B, and Defense Federal Acquisition Regulation supplement clause 252.235-7002, "Animal Welfare," which is incorporated into this contract.

Any contract resulting from this BAA that may involve the use of human subjects shall include the following language:

No federal funds will be expended for research involving human subjects unless the contractor is in compliance with the regulations promulgated by the Office of the Secretary of Defense in 32 C.F.R. Part 219, pertaining to the protection of human subjects. In addition, the contractor shall comply with the provisions of Department of Defense Directive 3216.2. If human subjects are to be used at any time during the project, the contractor must provide Institutional Review Board (IRB) approval for the use of human subjects. If the protocol involves more than minimal risk to human subjects, as defined in 32 C.F.R. § 219.102(i), then the assurance and IRB approval must be submitted to CTTSO prior to award of a contract. If minimal risk to human subjects is involved, then the documents shall be on file with CTTSO prior to the start of research involving human subjects.

3. PROPOSAL PREPARATION.

3.1. General Guidance.

All submittals must follow the instructions in this announcement and include all specified information to avoid disqualification or delays in evaluation.

3.1.1. BAA Information Delivery System (BIDS).

BIDS at www.bids.tswg.gov is used to provide public access to the BAA package, and to collect all unclassified submittals and all classified placeholder records as described below.

3.1.1.1. Submitter Registration.

A BIDS submitter registration is required to respond to this BAA. Existing accounts are acceptable for a new BAA if the company contact information is the same or is corrected. During registration, the offeror must complete all mandatory fields on the form. The User Name is created by the offeror and is later used for BIDS login and submission tracking. Registration acceptance for submitters is automatic, but takes several seconds to be recognized by BIDS. A success email will be transmitted indicating the User Name and account has been accepted in BIDS. The registration email address is used for all official notifications and should be the offeror's contracting or business authority.

3.1.1.2. User Accounts and Password Resets.

Registration account information such as the point of contact (POC), email, and password can be updated after login. The **Forgot My Password** link on the BIDS Homepage allows registered users with a valid email address to automatically reset a password. The system will verify the account information and send a new password via email.

3.1.1.3. Registration and Account Help.

Help requests can be emailed to BIDS administrators at bidshelp@tswg.gov or submitted via the **Help Request** link located on the BIDS Homepage.

3.1.1.4. Format and Submittal Upload.

All unclassified and any classified placeholder responses shall be uploaded to BIDS in the electronic format specified and shall include all information requested for each submittal type as described in this document.

3.1.1.5. Header and Cover Page Information.

All White Paper submittals must include the applicable *BAA Announcement Number*, the *Document Identifier*, and *Proposal Title* in the header. Cover pages must also contain this information. Cover Page templates are provided in BIDS under **Downloads, Reference Materials, Document Format**.

3.1.1.6. Document Identifier.

The offeror shall insert a unique document identifier in the header of each submittal that must match the document identifier in the BIDS submission record.

Document identifiers are formatted as follows: **XX-REQTNO-USERNAME-SIT**

XX – Identifies the subgroup or mission area.

REQTNO – Identifies the requirement number.

USERNAME – Identifies the BIDS user name / submitter login name.

SIT – Identifies the Submitter Internal Tracking Number.

When creating a submission record in BIDS, the prefix (underlined in the example) is automatically generated and precedes the **submitter internal tracking (SIT) number** which is

entered by the submitter. The system enforces unique SIT numbers and **will not allow** the record to be saved if the SIT number has already been used.

3.1.1.7. Submitter Internal Tracking (SIT) Numbers.

The following formats are examples of SIT number entries. The numbers, if used, are any alphanumeric combination chosen by the submitter, and/or a suffix indicating the phase or document type (WP or 01, or FP or 02).

White Papers: 1234-WP or 2222-01 or WP01, WP02, ...
Full Proposals: 1234-FP or 2222-02 or FP01, FP02, ...

3.1.2. BIDS Security and Access Control.

All data uploaded to BIDS is secure from public view or download. All submissions will be considered proprietary/source selection sensitive and protected accordingly. The documents can only be reviewed by the registrant, authorized Government representatives, and specifically assigned evaluators.

3.1.3. Submittal Changes.

Changes to uploaded responses will be permitted **up to the closing date and time**. If a modification is required update the original file, save, and convert if applicable. In BIDS, open the submission record, click **Edit Submission** and update the record information. **Browse** to select the revised document. Select the checkbox to remove the old attachment. **Submit for Processing** to save the changes. Documents edited online through the BIDS web interface are not saved in BIDS. Changes to file names must be done prior to upload. To remove a submission from consideration, select **Delete Submission**. Changes after the requirement due date will not be permitted.

3.1.4. Special Handling Procedures for Classified Information.

If a submittal contains classified information, the offeror must first create a placeholder record in BIDS with an unclassified cover page attachment. Identify in the comments section of the submission record that the submittal cannot be uploaded due to classification. The BIDS tracking number must be clearly identified on the mailed submittal. **Classified responses (up to SECRET) must be appropriately and clearly marked, packaged, and shipped in accordance with classified material handling procedures and security regulations pertaining to the level of classification.**

To obtain mailing instructions for classified submittals, email BAAsecurity@tswg.gov.

Classified submittals **MUST** be received by the applicable due date and time. Classification does not in any way eliminate the offeror's requirement to comply with all instructions in this BAA.

3.2. Phase I Submittals.

Phase I consists of a **12 page** White Paper including figures, charts, and tables, but excluding the cover page. All submittal pages shall be 8 ½ x 11 inch, double-spaced with fonts no smaller than 10 point. All margins shall be one inch. If the White Paper contains more than 12 pages, only the first 12 pages will be evaluated.

3.2.1. Phase I Due Date and Time.

All White Papers must be received electronically through BIDS (unclassified) or tracked in BIDS and received by mail (classified only) **no later than the due date (March 6, 2006) and time (4:00 p.m.) (ET)**. BIDS will not allow proposals to be uploaded or modified after the closing date and time. **Any proposal submitted via other means or that is late will not be considered by the Government.** Refer to Section 3 for special handling and procedures for classified submissions.

3.2.2. Electronic File Format.

The White Paper shall be submitted in Microsoft Office 2000 (Word) or Adobe Acrobat (PDF). The

document must be print-capable and without password. All text and graphic content must not exceed 500KB in total file size. Graphic images inserted into the document should be in a file format (such as GIF/JPEG) that will minimize file size and support clear SVGA display and document printing (96 DPI recommended). Improper formatting and/or submittals that cannot be opened or viewed due to formatting will not be considered in the BAA competitive process.

3.2.3. General and Cover Page Format.

The offeror should ensure that the submittal meets the needs of the requirement including cost, technical feasibility, and other evaluation criteria as identified in this BAA. The White Paper shall provide information to support the Quad Chart, and shall describe the problem/threat addressed, the detailed solution and approach, deliverables, work to be performed, the offeror's expertise to effect the proposed solution, and the estimated schedule and cost. If clarification is requested, the offeror shall address each question or concern. The cover page shall include the data specified in the sample provided in BIDS under **Downloads, Reference Materials**. Each page of the submission shall contain the document identifier in the header.

3.2.4. Technical Content.

The White Paper shall describe the problem/threat addressed in the BAA Requirement and include:

3.2.4.1. Description of the proposed solution including underlying theory, a suggested concept of operations and potential users. Include a description of similar work performed, including what agency funded the effort.

3.2.4.2. Description of the proposed tasks and associated deliverables. Include definition of anticipated risks, planned mitigation efforts, work to be performed by the offeror, by other organizations, and any required Government furnished material (GFM) or information (GFI). Include clear descriptions of proposed phases, decision points and any options. The offeror's proposed position on ownership of intellectual property shall also be described. Upon request, the offeror may be required to provide access to pending patent applications.

3.2.4.3. A Master Project Schedule preferably in Gantt chart format. Schedule should show planned start and stop point of each phase and subordinate tasks, estimated delivery dates, and decision points. Period of performance will be assumed to be the last completion date shown unless otherwise stated.

3.2.4.4. A proposed, task-phased budgetary estimate inclusive of any proposed options. At a minimum, this estimate shall detail estimated labor hours and costs and anticipated material and other costs for each task area. Costs allocated to other organizations (e.g., Government testing) shall also be clearly shown. Estimated production unit costs should also be included.

3.2.4.5. Description of the planned methodology to transition to production and the suggested field support methodology, including:

3.2.4.5.1. Identification of Rights in Technical Data and Computer Software/Patent Rights.

Technical data and computer software to be delivered with less than unlimited rights should be identified as prescribed by DFARS 252.227-7017 and DFARS 252.227-7028.

3.2.4.5.2. Technology Transition. The White Paper shall contain a brief discussion on the proposed concept for commercializing or transitioning the technology to production if the project is successful. If the offeror's proposal is based on technology that has a patent applied for, or issued, the offeror must provide the patent number or application serial number.

3.2.4.5.3 A description of the offeror's capability and/or experience in doing this type of

work. Include description of co-participants' capabilities and/or experience as well. State whether agreement has been reached with proposed co-participants. If the offeror is not a commercial entity, a commercial partner must be identified by the time of submission of the white paper or proposal to ensure that a technology transition objective is part of the proposed effort.

3.2.5. Notification to Offeror.

Following review of the White Paper, the Government will notify the offeror (generally within 90 days of the submittal close date) when a submittal has been accepted or rejected. Notification of acceptance accompanied with a request to submit the Phase II requirement (Proposal) will be emailed to the offeror's contracting authority as entered in the BIDS registration and will indicate the new submittal due date and time. Notifications of rejection will likewise be emailed to the address provided by the offeror during BIDS registration. **Debriefings for White Papers will not be provided due to the nature of BAAs.** It should generally be assumed that the reason a White Paper was not considered for further review was that it did not fit the needs of the TSWG, that it was too costly, or that it failed to meet requirements as specified for technical evaluation.

3.2.6. Status and Inquiries.

Phase I is complete when all submissions have been accepted or rejected in accordance with procedures provided in this document. Inquiries by phone concerning the status of White Paper submittals will not be accepted. Submitters are able to check the status of any submission by accessing the BIDS website under "My Submissions."

3.3. Phase II Submittals.

Phase II is a request for Full Proposals. To minimize the cost and effort for submitters, full proposals will only be requested for qualifying solutions that have a high probability of award. However, the Government reserves the right to cancel any Phase II solicitation prior to award. A Full Proposal shall consist of two "uploadable" documents. First, the Technical Proposal shall include all technical and contractual information; and shall not exceed 50 pages including figures, charts, and tables, but excluding the cover page and requested contractual forms. Second, the Cost Proposal shall include all cost information to support full evaluation preferably in spreadsheet format. All submittal pages (technical or cost) shall be 8 ½ x 11 inch, double-spaced with fonts no smaller than 10 point. All margins shall be one inch. The Cost Proposal is not included in the page count, but must be printable, readable, and complete. If the Technical Proposal exceeds the page limit, only the allowed pages will be evaluated.

3.3.1. Phase II Due Date and Time.

All Full Proposals must be received electronically through BIDS (unclassified) or tracked in BIDS and received by mail (classified only) **no later than the due date and time (ET) specified in the notification email.** To upload the documents, locate and open the *accepted* record in BIDS and select Create Next Submission. BIDS will not allow proposals to be uploaded or modified after the closing date and time. **Any proposal submitted via other means or that is late will not be considered by the Government.** Refer to Section 3 for special handling and procedures for classified submissions.

3.3.2. Electronic File Format.

The proposal shall be submitted in Microsoft Office 2000 (Word and Excel) or Adobe Acrobat (PDF). The document must be print-capable and without password. The file size including text and graphic content in any document to be uploaded must not exceed 500KB in total file size. Graphic images inserted into submittal documents should be in a file format (such as GIF/JPEG) that will minimize file size and support clear SVGA display and document printing (96 DPI recommended). Improper formatting and/or submittals that cannot be opened or viewed due to formatting will not be considered in the BAA competitive process.

3.3.3. General and Cover Page Format.

The offeror should ensure that the submittal meets the needs of the requirement including cost,

technical feasibility, and other evaluation criteria as identified in this BAA. The Full Proposal shall provide information to support the previous phase submittal. If clarification is requested, the offeror shall address each question or concern. The cover page shall include the data specified in the template provided in BIDS under **Downloads, Reference Materials**. Each page of the submission shall contain the document identifier in the header.

3.3.4. Technical.

The technical portion of the proposal shall contain the following:

3.3.4.1. A title and an abstract that includes a concise statement of work and basic approaches to be used. This should be on a separate page and in a form suitable for release under the Freedom of Information Act, 5 U.S.C. 552, as amended. The statement of work should indicate the effort intended for the period of performance.

3.3.4.2. The technical portion shall include an Executive Summary, a technical approach, description of relevant prior work, a program plan including a statement of work with task phasing and proposed options, facilities and equipment descriptions, list of documentation and reports, and a management plan. All paragraphs containing proprietary information must be clearly marked.

3.3.4.3. The proposal shall include a section on technology transition planning that discusses the proposed approach for commercializing or transitioning the prototype technology to production. This section shall identify any existing intellectual property claims or intentions. The offeror shall specifically indicate if there is a patent pending (and the patent application number, if received) or a patent issued with the patent number(s). The offeror shall include a statement on licensing or venturing plans, as applicable, if the project is successful. The offeror shall discuss barriers to commercialization, such as anticipated regulatory issues (such as environmental, safety, health, and transportation), liability issues, interoperability, financing, etc. and planned steps to address these barriers. Also, if not covered in other sections, this section shall address interaction with potential users.

3.3.4.4. The names, brief biography, and a list of recent publications of the offeror's key personnel (including alternates, if desired) who will be involved in the research. Documentation of previous work or experience in the field of the offeror is especially important.

3.3.4.5. The type of support, if any, the offeror might request from the Government, such as government furnished equipment (GFE), materials (GFM) or facilities.

3.3.4.6. The names of other federal, state, or local agencies or other parties receiving the proposal and/or funding the proposed effort. If none, so state.

3.3.4.7. A statement regarding possible impact, if any, of the proposal's effect on the environment. If none, so state.

3.3.4.8. A brief description of the offeror's organization.

3.3.4.9. The offeror shall indicate the total scope of work to be performed for this effort inclusive of any proposed options.

3.3.5. Cost.

The cost information of the proposal shall contain the following:

3.3.5.1. A cost estimate that is sufficiently detailed by element of cost for meaningful evaluation. Cost estimates shall be identifiable by task phasing proposed in the technical

section and shall be inclusive of any proposed options. Cost breakdown shall include materials, direct labor, indirect costs, and other direct costs such as special test equipment or travel. Offerors shall provide exhibits as necessary to substantiate the cost elements.

3.3.5.2. A cost-element breakdown shall be attached for each proposed line item and must reflect all specific requirements. Supporting breakdowns must be furnished for each cost element, consistent with the offeror's cost accounting system. When more than one contract line item is proposed, summary total amounts covering all line items must be furnished for each cost element. If agreement has been reached with Government representatives on the use of forward pricing rates/factors, identify the agreement. Depending on the offeror's system, breakdowns shall be provided for the following basic elements of cost, as applicable:

3.3.5.2.1. Materials: Provide a consolidated price summary of individual material quantities included in the various tasks, orders, or contract line items being proposed and the basis for pricing (vendor quotes, invoice prices, etc.). Include new materials, parts, components, assemblies, and services to be produced or performed by others. For all items proposed, identify the item and show the source, quantity, and price.

3.3.5.2.2. Competitive Methods: For those acquisitions (e.g., subcontract, purchase orders, material orders) over \$100,000 priced on a competitive basis, also provide data showing degree of competition and the basis for establishing the source and reasonableness of price. For inter-organizational transfers priced at other than cost of the comparable competitive commercial work of the division, subsidiary, or affiliate of the contractor; explain the pricing method (See FAR 31.205-26(e)).

3.3.5.2.3. Established Catalog or Market Prices/Prices Set By Law or Regulation: When an exemption from the requirement to submit cost or pricing data is claimed, whether the item was produced by others or by the offeror, provide justification for the exemption.

3.3.5.2.4. Noncompetitive Methods: For those acquisitions (e.g., subcontract, purchase orders, material orders) over \$550,000 priced on a noncompetitive basis, also provide data showing the basis for establishing source and reasonableness of price. For standard commercial items fabricated by the offeror that are generally stocked in inventory, provide a separate cost breakdown if price is based on cost. For inter-organizational transfers priced at cost, provide a separate breakdown of cost by elements.

3.3.5.2.5. Direct Labor: Provide a list of participants, not necessarily by name, showing a time phased (e.g., monthly, quarterly) breakdown of labor hours, rates, and cost by appropriate category, and furnish basis for estimates.

3.3.5.2.6. Indirect Costs: Indicate how offeror has computed and applied offeror's indirect costs. Indicate the rates used and provide an appropriate explanation.

3.3.5.2.7. Other Costs: List all other costs not otherwise included in the categories described above (e.g., special tooling, travel, computer and consultant services, preservation, packaging and packing, spoilage and rework) and provide basis for pricing.

3.3.5.2.8. Royalties: If more than \$250 provide the following information on a separate page for each separate royalty or license fee:

- Name And Address of Licensor
- Date of the License Agreement
- Patent numbers, Patent Application Serial Numbers, or other basis on which the royalty is payable

- Brief description (including any part or model numbers of each contract item or component on which the royalty is payable)
- Percentage or dollar rate of royalty per unit
- Unit price of contract item
- Number of units
- Total dollar amount of royalties

Note: A copy of the current license agreement and identification of applicable claims of specific patents may be specifically requested by the contracting officer. (See FAR 27.204 and 31.205.37.)

3.3.5.2.9. Facilities Capital Cost of Money: When the offeror elects to claim facilities capital cost of money as an allowable cost, the offeror must submit Form CASB-CMF and show the calculation of the proposed amount. See FAR 31.205-10.

3.3.5.2.10. Fee: Include the fee, if any, proposed for this effort.

3.3.6. Contractual.

The contractual portion of the proposal should contain the following:

3.3.6.1. Identify the offeror's contracting point of contact including name, telephone number, email address, facsimile number, mailing address, and contact information including DUNS number, CCR, business type, and other relevant information.

3.3.6.2. The type of contract preferred. Generally, the contract type most used is Cost Plus Fixed Fee (CPFF).

3.3.6.3. Proposed duration of all tasks in the basic contract and any options.

3.3.6.4. The identity of any members of the organization with potential conflicts of interest. Possible conflicts of interest include any people with prior federal employment including employment of the principal investigator as a special Government employee (duties, agency with whom employed, dates of employment) within two years from the date of proposal submission. If none, so state.

3.3.6.5. If the offeror is proposing to perform research in a classified area, indicate the level of classification of the research and the level of clearance of the potential principal investigator and all other proposed personnel. The contractor shall include facility clearance information. Also, the contractor shall indicate the Government agency that issued the clearances.

3.3.6.6. A list of property required to perform the proposed research, separating items to be acquired with contract funds and those to be furnished by the Government. When possible, the description or title and estimated or known unit and total costs of each item should be shown (i.e., manufacturer, catalog price, or previous purchase price). When such information on individual items is not available, the items should be grouped by class and estimated values indicated. In addition, the offeror must include a statement as to why it is necessary to acquire the property with contract funds, and if applicable, express in writing his unwillingness or financial inability to acquire the items with his own resources. Please note that the FAR generally prohibits providing an industrial contractor with facilities (including plant equipment and real property) with a unit acquisition cost of less than \$10,000.

3.4.6.7. If the total amount of the proposal exceeds \$500,000 and the offeror is not a small business, the offeror shall submit a subcontracting plan for small business and small socially and economically disadvantaged business concerns. A mutually agreeable plan will be included in and made a part of the resultant contract. The contract cannot be executed unless the contracting officer determines that the plan provides the maximum practicable opportunity

for small business and small disadvantaged business concerns to participate in the performance of the contract.

3.3.7. Notification to Offerors.

Phase II is complete when the Government concludes technical evaluations of all submittals and awards any contracts considered under this BAA. Notification of acceptance or rejection of a Phase II Proposal will be sent via email to the offeror's principal contact as entered in the BIDS registration. A formal debriefing may be requested by the offeror if the Government does not accept the Phase II proposal. Inquiries by phone concerning the status of a Phase II submission prior to official notification will not be accepted. Submitters are able to check the status of any submission by accessing the BIDS website under "My Submissions."

4. PROPOSAL EVALUATION.

4.1. Objective.

The TSWG conducts rapid prototype development focused on critical multi-agency and future threat counter/anti-terrorism requirements. The primary TSWG mission is to conduct the National Interagency Research and Development (R&D) Program for combating terrorism through rapid research, development, and prototyping. This agency's program objectives are to provide an interagency forum to coordinate R&D requirements for combating terrorism, to sponsor R&D not otherwise being addressed by individual agencies, and to promote information transfer among the participating agencies.

4.2. Evaluation Criteria.

The criteria to be used to evaluate and select proposals for TSWG projects are described in the following paragraphs. Each proposal will be evaluated on its merit and relevance to the TSWG program rather than against other proposals in the same general research area.

4.2.1. Basic Requirement.

The proposed solution must meet the letter and intent of the stated requirement; all elements within the proposal must exhibit a comprehensive understanding of the problem and the requirements of intended end users. The proposed solution must meet multiple TSWG user (U.S. Government or commercial) needs and be fully compliant with each required element of the solicitation.

4.2.2. Technical Performance.

The proposed technical approach must be feasible, achievable, complete, and supported by a proposed technical team that has the expertise and experience to accomplish the proposed tasks. Task descriptions and associated technical elements are to be complete and in a logical sequence. All proposed deliverables must clearly define a final product that meets the requirement and can be expected as a result in the award. The proposal must identify and clearly define technical risks and planned mitigation efforts. Those risks and the associated mitigation must be feasible and reasonable. The roles of the prime and other participants required must be clearly distinguished and pre-coordination with all participants (including Government facilities) fully documented. The requirement for and the anticipated use or integration of GFM including all equipment, facilities, and information, must be fully described including dates when such GFM will be required. Intellectual property ownership and the planned transition to production must be adequately addressed, including a support concept for the product described. Similar efforts completed by the offeror in this area must be fully described including identification of other Government sponsors.

4.2.3. Contractor Past Performance.

The offeror's past performance in similar efforts must clearly demonstrate an ability to deliver products that meet the proposed technical performance requirements within the proposed budget and schedule. The proposed project team must have demonstrated expertise to manage the cost, schedule and technical aspects of the project.

4.2.4. Schedule.

The proposed schedule must be complete and achievable. The proposal must indicate that the offeror has fully analyzed the project's critical path and has addressed the resulting schedule risks.

4.2.5. Cost.

The proposed costs must be both reasonable for the work proposed and affordable. The proposal must document all anticipated costs including those of associate, participating organizations. The proposal must demonstrate that the offeror has fully analyzed budget requirements and addressed resulting cost risks. The proposal must indicate all cost-sharing and leveraging opportunities explored and identified. Other sponsors who have funded or are funding this offeror for the same or similar efforts must be identified.

5. TECHNOLOGY DEVELOPMENT REQUIREMENT TARGETS AND OBJECTIVES.

TSWG is interested in soliciting proposals in the following areas of combating terrorism. The intent of this BAA is to identify technologies and approaches that provide near-, mid-, and long-term solutions that enhance the capabilities of the U.S. Government to combat or mitigate terrorism. The level of detail provided for each specific mission area requirement or the order in which requirements appear is not intended to convey any information regarding relative priority. As a reminder, every submittal must have a document identifier as described in Section 3 of this document.

5.1. Chemical, Biological, Radiological and Nuclear Countermeasures (CB).

The Chemical, Biological, Radiological, and Nuclear Countermeasures (CB) Subgroup is responsible to identify, prioritize and execute research and development projects that satisfy DoD, interagency, state and local user requirements to counter the terrorist employment of chemical, biological, radiological or nuclear (CBRN) materials.

2129 Demonstration and Improvement of Fuel Cell Technology for Combating Terrorism Applications

Develop fuel cell systems (< 50 kW) to meet combating terrorism requirements for sustained mobility and command/control operations at DoD overseas and domestic bases. The prototype systems desired shall be ready for field deployment and integration into existing base infrastructure within 15 months of contract award for testing and data collection. The tests shall evaluate costs, technical and operational suitability to include training, reliability, sustainability and maintenance requirements under normal, surge and crisis operational scenarios. Data collected is to be fed back into design and manufacturing development to deliver fuel cell units for evaluation in a future large-scale field trial program. Teaming arrangements between manufacturers, small innovative startups, universities and government laboratories to expedite the transition from research laboratory to the marketplace are encouraged.

5.2. Explosives Detection (ED).

The Explosives Detection (ED) Subgroup is responsible to identify, prioritize and execute research and development projects that satisfy interagency requirements for existing and emerging technology in the area of explosives detection and diagnostics. Emphasis is on long term, sustained approach to develop technologies for detection and subsequent characterization of concealed explosives.

2127 Improved X-Ray Sources for Baggage and Cargo Screening

Develop advanced x-ray sources for integration into future baggage and air cargo inspection systems. The features sought in the new sources are: reduced power requirements, smaller size, reduced heat loads, reduced maintenance, longer service life, improved ruggedness, and multi-frequency operation. Systems proposed must have a rapid transition to manufacturing, with commercial introduction within three years. Teaming arrangements between manufacturers, small innovative startups, universities, and government laboratories to expedite the transition from research laboratory to the marketplace are encouraged.

2128 Next Generation Computed Tomography Baggage and Air Cargo X-Ray Inspection System

Develop advanced three-dimensional computed tomography baggage and air cargo x-ray inspection systems. The systems must provide operational and reduced cost of ownership benefits over existing systems. Features sought are: reduced personnel requirements, increased throughput, integration of orthogonal detection technologies to facilitate rapid resolution of alarm conditions, advanced detection algorithms, increased resolution, and reduced maintenance requirements/costs. Systems proposed must have a rapid transition to manufacturing, with commercial introduction within three years. Teaming arrangements between manufacturers, small innovative startups, universities, and government laboratories to expedite the transition from research laboratory to the marketplace are encouraged.

5.3. Physical Security (PS).

The Physical Security (PS) Subgroup is responsible to identify, prioritize and execute research, development, testing and evaluation of projects that satisfy interagency requirements for physical security support to protect personnel and vital equipment and facilities against terrorist attacks

2130 Rugged Mobile Non-Intrusive Imaging Inspection Systems

Develop rugged mobile field-deployable systems capable of non-intrusive imaging to inspect vehicle interiors, including cargo areas (empty and filled with mixed cargo) and engine compartments. Systems will be used in military and police security operations at checkpoints and entry control points to identify concealed weapons, contraband, ordnance and bulk explosives. Preference is for either self-propelled mobile systems or towed systems capable of operating on primary, secondary and unimproved road surfaces.

Systems shall be capable of imaging with sufficient resolution for minimally trained operator to identify 22.73 Kg (50 lbs) of bulk explosives or a single 155mm shell through complex cargo (preferred) or privately owned vehicles interiors. Systems should be capable of scanning stationary vehicles and vehicles moving up to 11.2 Km/h (7.0 mph) at a distance of up to 3.75 m (12.30 ft). Preferred scanning and image analysis rate by minimally trained operator should not exceed 3 minutes per scan for a 40 foot shipping container containing complex cargo or per vehicle. Ballistic and blast protection should be provided for operators and drivers of vehicles. Tactical lighting inside and outside the system is required. Systems shall be capable of remote operation by either wired or secure wireless techniques up to 300 meters and able to be used for inspection within 10 minutes of arrival at a location.

Automated software to assist minimally trained operators identify anomalies based on density and shape desired; ability for operator to view images in gray-scale or color is required. Capability to export stored images with operator comments to Microsoft Office products is required.

Systems shall be transportable on C-130, C-17 and C-5 aircraft and have integrated tie down points sufficient for safe transport; additional capability to be transported by military helicopter is desired. System(s) shall operate on military JP8 fuel(preferred), commercial diesel fuel, or electricity (110/220V 50/60Hz AC and/or 28V DC) only. Systems should be of a size and configuration that does not draw undue attention to their intended application. Use of tactical vehicle or trailer types already deployed by the U.S. military should be considered. Contractor logistics support of the system in worldwide locations is required, including areas where U.S. and coalition forces are engaged in military operations.

Systems should not be susceptible to electronic interference or interfere with tactical radio or radar systems. Candidate technical solutions need to have minimal impact on manpower requirements of physical security or force protection operations; preferred manpower requirement not to exceed two individuals. Systems should be rugged and must operate reliably under austere conditions with environmental extremes of fine particulate dust and temperatures of -20 degrees Celsius to 60 degrees Celsius.

ATTACHMENT A – ACRONYMS AND ABBREVIATIONS

3D	Three Dimensional	FSW	Feet of Sea Water
AC	Alternating Current	ft	Feet
ACLS	Advanced Cardiac Life Support	FY	Fiscal Year
ADL	Advanced Distributed Learning	G/T	Gain to Noise
AFIS	Automated Fingerprint Information System	GFE	Government Furnished Equipment
		GFI	Government Furnished Information
ANSI	American National Standards Institute	GFM	Government Furnished Material
ATLS	Advanced Trauma Life Support	GIF	Graphics Interchange Format
ATP	Active Thermal Protection	GIS	Geographic Information System
BAA	Broad Agency Announcement	GOTS	Government-Off-The-Shelf
BIDS	BAA Information Delivery System	GPS	Global Positioning System
BX	Blast Effects and Mitigation (mission area/subgroup designation)	GUI	Graphical User Interface
		HBCU	Historically Black Colleges, Universities
CAD	Computer Aided Drawing		
CASB-CMF	Cost Accounting Standards (CAS) Board - Cost of Money Factors	He	Helium
		HUB Zone	Historically Underutilized Business Zone
CB	Chemical, Biological, Radiological and Nuclear Counter Measures (Also CBRNC or CBRN or CBR) (mission area/subgroup designation)	HUD	Head's Up Display
		HVAC	Heating Ventilation and Air Conditioning
CCD	Charge-coupled Device	Hz	Hertz
CCR	Central Contractor Registration	IDD	Improvised Device Defeat (mission area/subgroup designation)
CCTL	Common Criteria Testing Labs		
CD	Compact Disk	IDHL	Immediately Dangerous to Health or Life
CDC	Center for Disease Control		
CFR	Code of Federal Regulations	IED	Improvised Explosive Device
COFDM	Coded Orthogonal Frequency Division Multiplexing	IP	Infrastructure Protection (mission area/subgroup designation)
		IRB	Institutional Review Board
COTS	Commercial-Off-The-Shelf	IRIG	Inter-Range Instrumentation Group
CPFF	Cost Plus Fixed Fee	IS	Investigative Support and Forensics (Also ISF) (mission area/subgroup designation)
CQB/SWAT	Close Quarter Battle/Special Weapons Assault Team		
		JPEG	Joint Photographic Experts Group
CTTSO	Combating Terrorism Technology Support Office	K	Thousand
DAIS	Digital Automotive Image System	KB	Kilobyte
DC	Direct Current	Kg	Kilograms
DFARS	Defense Federal Acquisition Regulation Supplement	Lbs	Pounds
		LIC	Low Intensity Conflict
DHS	Department of Homeland Security	LOS	Line of Sight
DPI	Dots per inch	LVB	Large Vehicle Bomb(s)
DUNS	Data Universal Numbering System	MANPADS	Man Portable Air Defense System
ED	Explosives Detection (mission area/subgroup designation)	MB	Megabyte
		MHz	Mega-Hertz
EDT	Eastern Daylight Time	MI	Minority Institutions
EL	Explosive Ordnance Disposal/Low Intensity Conflict (Also EOD/LIC) (mission area/subgroup designation)	mm	millimeter
		MOA	Minute of angle
EOD/SOF	Explosive Ordnance Disposal/Special Operations Forces	NAICS	North American Industry Classification System
EPA	Environmental Protection Agency	NATO	North Atlantic Treaty Organization
ERPG	Emergency Response Planning Guidelines	NBC	Nuclear, Biological, and Chemical
		NCID	National Critical Infrastructure Database
EST	Eastern Standard Time		
ET	Eastern Time Zone	NFPA	National Fire Protection Association
ET-SCBA	Expedient Tactical Self Contained Breathing Apparatus	NGEODRCV	Next Generation Explosive Ordnance Disposal Remote Controlled Vehicle
FAQ	Frequently Asked Question	NIST	National Institute of Standards
FAR	Federal Acquisition Regulation	OA	Operational Analysis
FCCM	Facilities Capital Cost Of Money	OS	Operating System
FDA	Food and Drug Administration	OSHA	Occupational Safety and Hazard Association
FDR	Flight Data Recorder		
FFT	Fast Fourier Transform	PCs	Personal Computers
FOIA	Freedom of Information Act	PCB	Printed Circuit Board
FORAX	Fiber Optic Remote Amplifier Extension	PDA's	Personal Digital Assistants
		PDF	Portable Document Format
FP	Full Proposal	PETN	pentaerythritol tetranitrate
fps	Feet per second	PL	Public Law

POTS	Plain Old Telephone Service
PPE	Personal Protective Equipment
PS	Physical Security (mission area/subgroup designation)
PSTN	Public Switched Telephone Network
PSYOPS	Psychological Operations
QC	Quad Chart
R&D	Research and Development
Rad	Radians
RAM	Random Access Memory
RAMP	Remote Multi-band Amplifier
RCV	Remote Controlled Vehicle
RDX	Cyclotrimethylenetrinitramine
RF	Radio Frequency
RFID	Radio Frequency Identification
RH	Relative Humidity
RT	Receiver/Transmitters
SBA	Small Business Administration
SCBA	Self-Contained Breathing Apparatus
SCORM	Shareable Content Object Reference Model
SDB	Small Disadvantaged Business
SF	Standard Form
SIT	Submitter Internal Tracking (Number)
SNM	Special Nuclear Material
SOF	Special Operating Forces
SOW	Statement of Work
SP	Special Projects (mission area/subgroup designation)
SVGA	Super Video Graphics Array
SWAT	Special Weapons Assault Team
TIC	Toxic Industrial Chemical
TIM	Toxic Industrial Material
TOS	Tactical Operations Support (mission area/subgroup designation)
TSWG	Technical Support Working Group
TTD	Training Technology Development (mission area/subgroup designation)
TTL	Tagging, Tracking, and Locating
UAV	Unmanned Air Vehicle
UML	Universal Modeling Language
USB	Universal Serial Bus
USC	United States Code
VAC	Volts AC (alternating current)
VBIEDs	Vehicle Borne Improvised Explosive Devices
VIP	Very Important Person
VIP	VIP Protection (mission area/subgroup designation – Formerly PP)
VCSTC	Virtual Cyber Security Testing Capability
WP	White Paper
XML	Extensible Markup Language